



# 9

## SEQUENCE LISTING

<110> Kreek, Mary Jeanne  
LaForge, Karl Steven

<120> Alleles of the Human Mu Opioid Receptor,  
Diagnostic Methods Using Said Alleles, and Methods of  
Treatment Based Thereon

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<140> 09/883,839

<141> 2001-06-18

<150> 60/212,225

<151> 2000-06-16

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<212> DNA

<213> Homo sapiens

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<221> misc\_feature

<222> 2063, 2091

<223> n = A,T,C or G

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Pro Ser Met Ile Thr Ala Ile Thr Ile Met Ala Leu Tyr Ser Ile Val
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Cys Val Val Gly Leu Phe Gly Asn Phe Leu Val Met Tyr Val Ile Val
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Arg Tyr Thr Lys Met Lys Thr Ala Thr Asn Ile Tyr Ile Phe Asn Leu
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Ala Leu Ala Asp Ala Leu Ala Thr Ser Thr Leu Pro Phe Gln Ser Val
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Asn Tyr Leu Met Gly Thr Trp Pro Phe Gly Thr Ile Leu Cys Lys Ile
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Val Ile Ser Ile Asp Tyr Tyr Asn Met Phe Thr Ser Ile Phe Thr Leu
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Cys Thr Met Ser Val Asp Arg Tyr Ile Ala Val Cys His Pro Val Lys
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Ala Leu Asp Phe Arg Thr Pro Arg Asn Ala Lys Ile Ile Asn Val Cys
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Asn Trp Ile Leu Ser Ser Ala Ile Gly Leu Pro Val Met Phe Met Ala
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Thr Thr Lys Tyr Arg Gln Gly Ser Ile Asp Cys Thr Leu Thr Phe Ser
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His Pro Thr Trp Tyr Trp Glu Asn Leu Val Lys Ile Cys Val Phe Ile
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Phe Ala Phe Ile Met Pro Val Leu Ile Ile Thr Val Cys Tyr Gly Leu
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Met Ile Leu Arg Leu Lys Ser Val Arg Met Leu Ser Gly Ser Lys Glu
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Leu Tyr Ala Phe Leu Asp Glu Asn Phe Lys Arg Cys Phe Arg Glu Phe				
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Cys Ile Pro Thr Ser Ser Asn Ile Glu Gln Gln Asn Ser Thr Arg Ile				
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 35          40          45
Arg Thr Asn Leu Gly Gly Arg Asp Ser Leu Cys Pro Pro Thr Gly Ser
 50          55          60
Pro Ser Met Ile Thr Ala Ile Thr Ile Met Ala Leu Tyr Ser Ile Val
 65          70          75          80
Cys Val Val Gly Leu Phe Gly Asn Phe Leu Val Met Tyr Val Ile Val
 85          90          95
Arg Tyr Thr Lys Met Lys Thr Ala Thr Asn Ile Tyr Ile Phe Asn Leu
 100         105         110
Ala Leu Ala Asp Ala Leu Ala Thr Ser Thr Leu Pro Phe Gln Ser Val
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Asn Tyr Leu Met Gly Thr Trp Pro Phe Gly Thr Ile Leu Cys Lys Ile
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Val Ile Ser Ile Asp Tyr Tyr Asn Met Phe Thr Ser Ile Phe Thr Leu
 145         150         155         160
Cys Thr Met Ser Val Asp Arg Tyr Ile Ala Val Cys His Pro Val Lys
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Ala Leu Asp Phe Arg Thr Pro Arg Asn Ala Lys Ile Ile Asn Val Cys
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Thr Thr Lys Tyr Arg Gln Gly Ser Ile Asp Cys Thr Leu Thr Phe Ser
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His Pro Thr Trp Tyr Trp Glu Asn Leu Val Lys Ile Cys Val Phe Ile
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Phe Ala Phe Ile Met Pro Val Leu Ile Ile Thr Val Cys Tyr Gly Leu
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Met Ile Leu Arg Leu Lys Ser Val Arg Met Leu Ser Gly Ser Lys Glu
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Lys Asp Arg Asn Leu Arg Arg Ile Thr Arg Met Val Leu Val Val Val
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Ala Val Phe Ile Val Cys Trp Thr Pro Ile His Ile Tyr Val Ile Ile
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Lys Ala Leu Val Thr Ile Pro Glu Thr Thr Phe Gln Thr Val Ser Trp
 305         310         315         320
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Leu Tyr Ala Phe Leu Asp Glu Asn Phe Lys Arg Cys Phe Arg Glu Phe
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<210> 8  
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<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

<222> 2063, 2091  
<223> n = A,T,C or G

<400> 8

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tc 2162
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<212> DNA  
<213> Homo sapiens

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 <212> PRT  
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35      40      45
Arg Thr Asn Leu Gly Gly Arg Asp Ser Leu Cys Pro Pro Thr Gly Gly
50      55      60
Ser Pro Ser Met Ile Thr Ala Ile Thr Ile Met Ala Leu Tyr Ser Ile
65      70      75      80
Val Cys Val Val Gly Leu Phe Gly Asn Phe Leu Val Met Tyr Val Ile
85      90      95
Val Arg Tyr Thr Lys Met Lys Thr Ala Thr Asn Ile Tyr Ile Phe Asn
100     105     110
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[illegible]